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APPLICATION NO). F	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/724,067	10/724,067 12/01/2003		Kuei-Chi Yang	YANG3163/EM	1739	
23364	7590	04/05/2006		EXAMINER		
		AS, PLLC	CHAN, RICHARD			
625 SLAT FOURTH	ERS LANE FLOOR	3		ART UNIT	PAPER NUMBER	
ALEXAN	DRIA, VA	22314	2618			
				DATE MAILED: 04/05/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/724,067	YANG, KUEI-CHI					
Office Action Summary	Examiner	Art Unit					
	Richard Chan	2685					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with	the correspondence ad	dress				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICA 36(a). In no event, however, may a repli- vill apply and will expire SIX (6) MONTH , cause the application to become ABAN	TION. y be timely filed S from the mailing date of this or DONED (35 U.S.C. § 133).	,				
Status	: :						
1)⊠ Responsive to communication(s) filed on <u>01 De</u>	ecember 2003						
	action is non-final.						
·—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	· .	•					
·	;	,					
Disposition of Claims							
4)⊠ Claim(s) <u>1-5</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.	Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1 and 2</u> is/are rejected.	Claim(s) <u>1 and 2</u> is/are rejected.						
7) Claim(s) <u>3-5</u> is/are objected to.	·						
8) Claim(s) are subject to restriction and/or	r election requirement.						
Application Papers							
9) The specification is objected to by the Examiner.							
10)⊠ The drawing(s) filed on <u>01 December 2003</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correct	ion is required if the drawing(s)	is objected to. See 37 Cl	FR 1.121(d).				
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached	Office Action or form P1	ΓO-152.				
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list 	s have been received. s have been received in App rity documents have been re u (PCT Rule 17.2(a)).	olication No ceived in this National	Stage				
Attachment(s)	:						
1) Notice of References Cited (PTO-892)	4) Interview Sun	nmary (PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/ľ	Mail Date					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) ☐ Notice of Info 6) ☐ Other:	mal Patent Application (PTC	J-152)				
· aper 110(3)/maii Date		· 					

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Kang (US 6,653,917)

With respect to claim 1, Kang discloses a filter Fig.1b distributed on a circuit board of a wireless communication product, comprising an input terminal 150, a resonant chamber of double frequencies 170, and an output terminal 160 of the microwave filter directly distributed on the circuit board of the wireless communication product as a plurality of microstrips by utilizing a manufacturing technique of printed circuit board. (Col. 1 lines 41-57)

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kang (US 6,653,917) in view of Kanba (US 6,680,537).

With respect to claim 2, Kang discloses filter of claim 1, wherein a microstrip circuit of the resonant chamber of double frequencies comprises: a first microstrip circuit 244 having one end perpendicularly coupled to one end of the input terminal 246; a third microstrip circuit 245 having one end perpendicularly coupled to one end of the input terminal 246, the third microstrip circuit 245 being parallel to the first microstrip circuit 244; a second microstrip circuit 243 interconnected the first microstrip circuit 246 and the third microstrip circuit 245 in a meandered path and being perpendicular to each of the first and the third microstrip circuits; however Kang does not disclose a fourth separate microstrip circuit interconnected the first microstrip circuit and the third microstrip circuit and the third microstrip circuits.

The Kanba reference however discloses a fourth separate microstrip circuit 13e interconnected the first microstrip circuit and the third microstrip circuit and being disposed across the first 15 and the third 49 microstrip circuits.

It would have been obvious to one of ordinary skill in the art to implement a fourth separate microstrip circuit to interconnect the second and third microstrip circuit

together as disclosed by Kanba with the filter disclosed by Kang in order to obtain a

correct frequency response of the filter.

Allowable Subject Matter

Claim 3 is objected to as being dependent upon a rejected base claim, but would

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be allowable if rewritten in independent form including all of the limitations of the base

claim and any intervening claims.

With respect to claim 3, The prior was able to disclose the microwave filter of claim 2,

however, the prior art does not disclose wherein the input terminal of the microstrip

circuit, the first microstrip circuit, and the second microstrip circuit are provided at a top

layer of the circuit board, the third microstrip circuit, the fourth microstrip circuit, and the

output terminal of the microstrip circuit are provided at a bottom layer of the circuit

board, and two through vias are provided on the circuit board for interconnecting the top

and the bottom layers of the circuit board.

Conclusion

The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

The Kai reference (US 6,823,201) discloses a superconducting microstrip filter

having current density reduction parts.

The Fujita reference (US 5,530,637) discloses a electric power receiving circuit.

The Gurvich reference (US 6,897,724) discloses a system and methof for adjusting group delay.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chan whose telephone number is (571) 272-0570. The examiner can normally be reached on Mon - Fri (9AM - 5PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Richard Chan Examiner 3/20/06 AU 2685

NAY MAUNG SUPERVISORY PATENT EXAMINER